

[illegible]



[illegible]

FIGURE 4



**FIGURE 5**

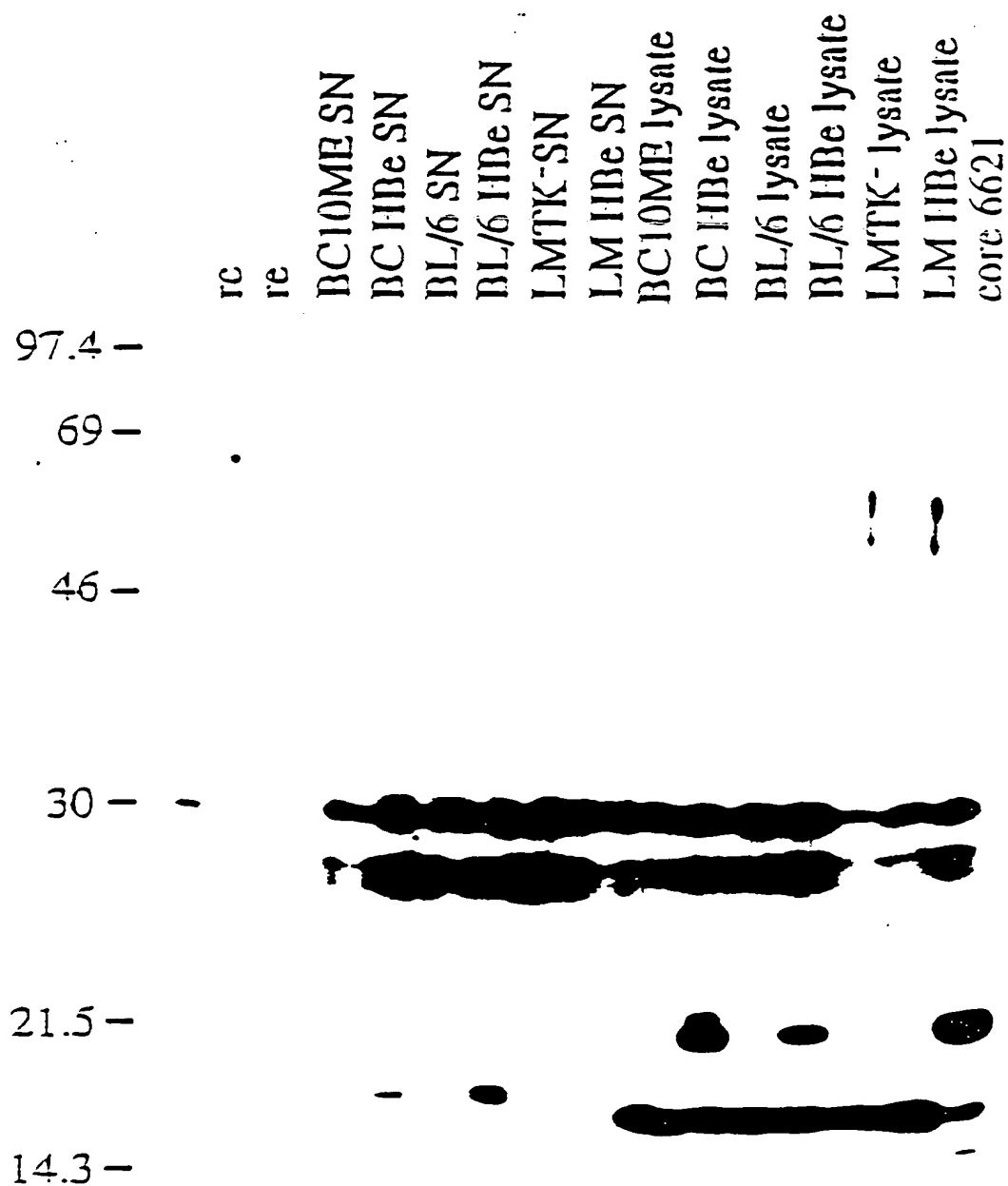
ELISA for HBe				ELISA for HB core	
Sample Supernatant	ng/ml* (Incstar)	Sample Lysate	ng/ml* (Incstar)	Sample Lysate	ng/ml** (Abbott)
3C10ME	0.0	BC10ME	0.0	BC10ME	0
3C/HBe 1-10	38.0	BC/HBe 1-10	24.8	BC core 6621	750
3L/6	0.0	BL/6	0.0	BL/6	0
3L/6/HBe 1-12	27.2	BL/6/HBe 1-12	26.0	BL/6 core 6625	100
MTK-	0.0	LMTK-	0.0	LMTK	0
LM/HBe 1-3	24.8	LM/HBe 1-3	18.1	LM core 1-2	250
EA2/K <sup>b</sup>	0.0			EA2/K <sup>b</sup>	0
EA2/K <sup>b</sup> /HBe 2-1	24.8			EA2/K <sup>b</sup> core 1-2	38
JA2/K <sup>b</sup>	0.0			JA2/K <sup>b</sup>	0
JA2/K <sup>b</sup> /HBe 2-3	22.4			JA2/K <sup>b</sup> core 10-1	200

Standard: rHBeAg (Biogen)

\* Standard: rHBcAg (Biogen)

# FIGURE 6

## IMMUNOPRECIPITATION/WESTERN BLOT



## FIGURE 7

### Antibody Responses to HBcore

No. of I.M. Injections (2 sites)	IgG Titer to HBcore
2	640 160 2560 40 160
4	640 640 2560 640 640
6	2560 2560 2560 640 2560

010-01/A0 Resp to HBc ore

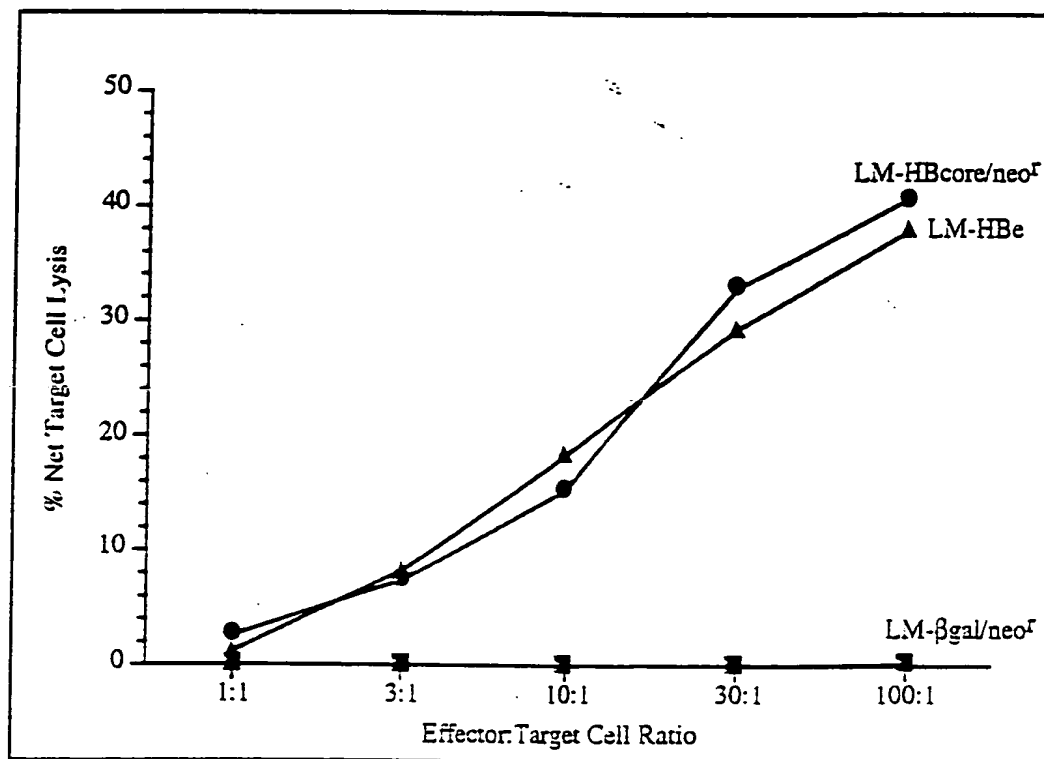
FIGURE 8





**FIGURE 9**

**Murine CTL Response to HBcore and HBe**

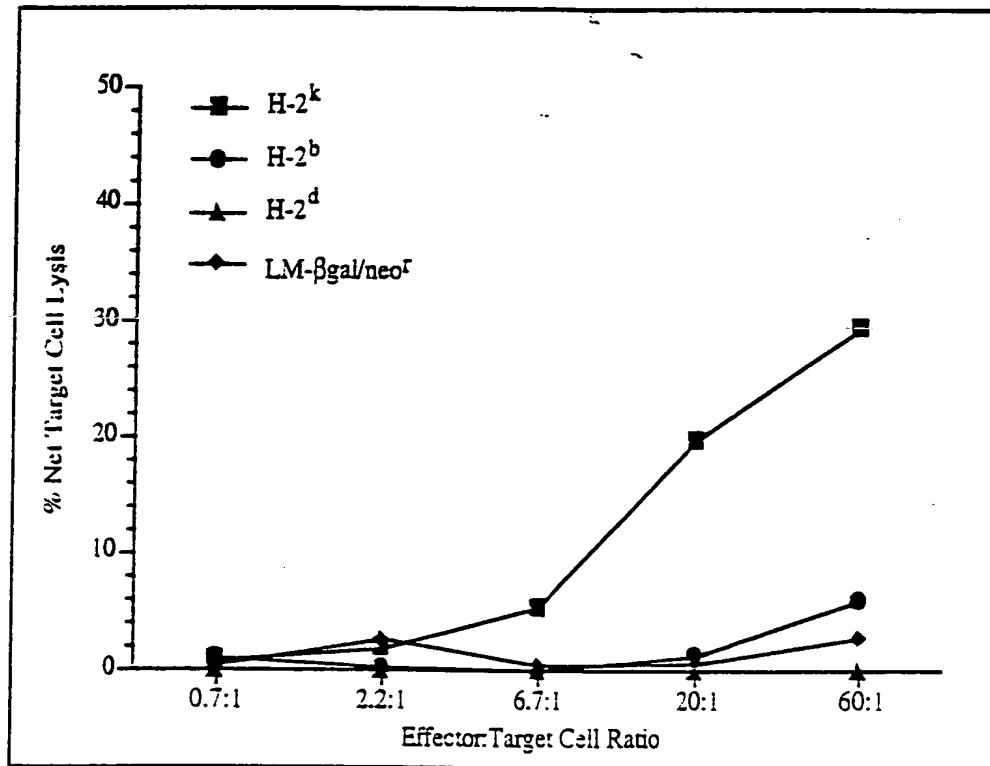


448-01/C/H/He

515-02/CTL Response

FIGURE 10

MHC Class I Restriction of CTL Response



514-02/CTL Response

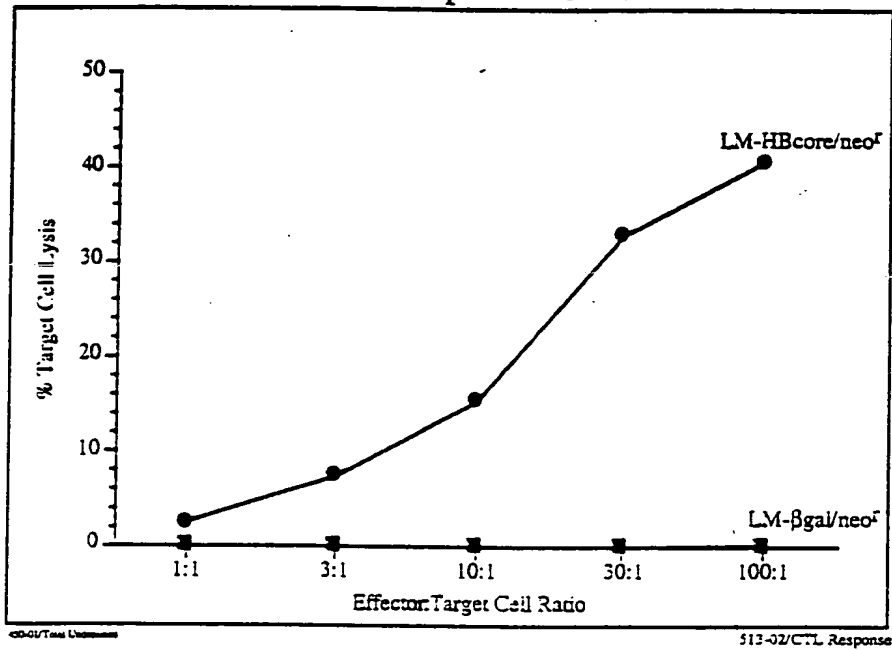
514-02/CTL Response

**FIGURE 11**

**Murine CTL Response is CD8<sup>+</sup> and CD4<sup>-</sup>**

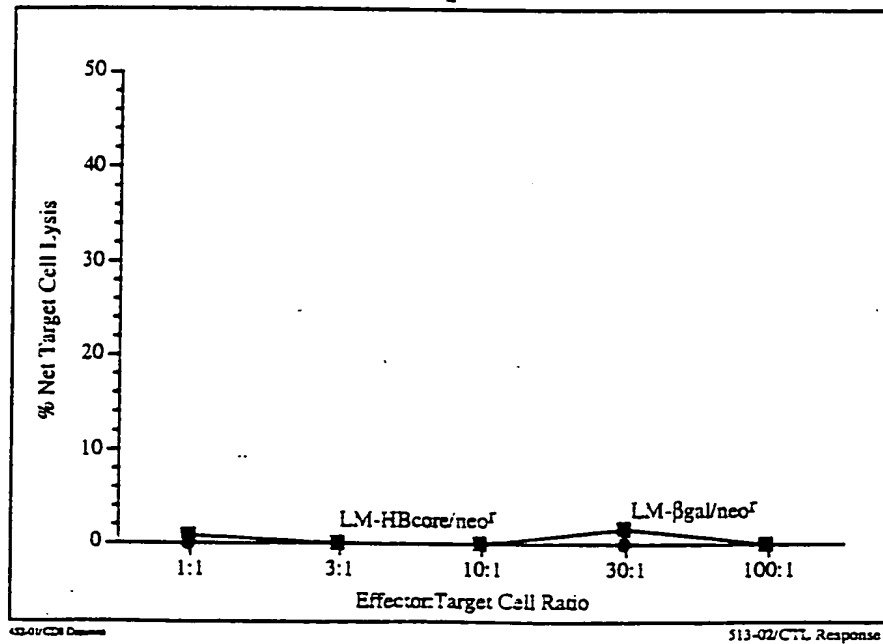
**A.**

**CD4-Depleted Cells**



**B.**

**CD8-Depleted Cells**



# Figure 12

Ab Isotype Titers in C3H/He Mice Immunized with Formulated Vectors

# of Ins. IM (2 sites)	Formulated Vector	Anti-HBc/HBe					
		IgG	G <sub>1</sub>	G <sub>2</sub>	G <sub>2h</sub>	G <sub>3</sub>	CTL
x2	Core 6A3	2560	40	10,240	40	0	+
x6	Core 6A3	2560	2560	10,240	160	0	+
x4	Precore/e5A 2	640	640	40	0	0	-

**FIGURE 13**

**Macaque CTL Response to HBcore and HBe**

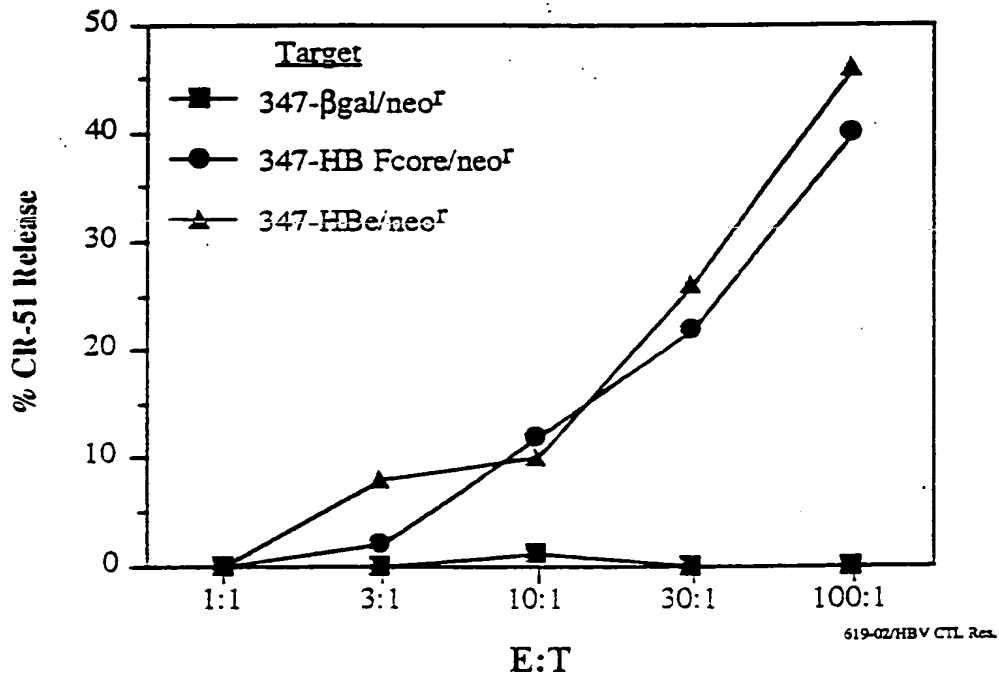
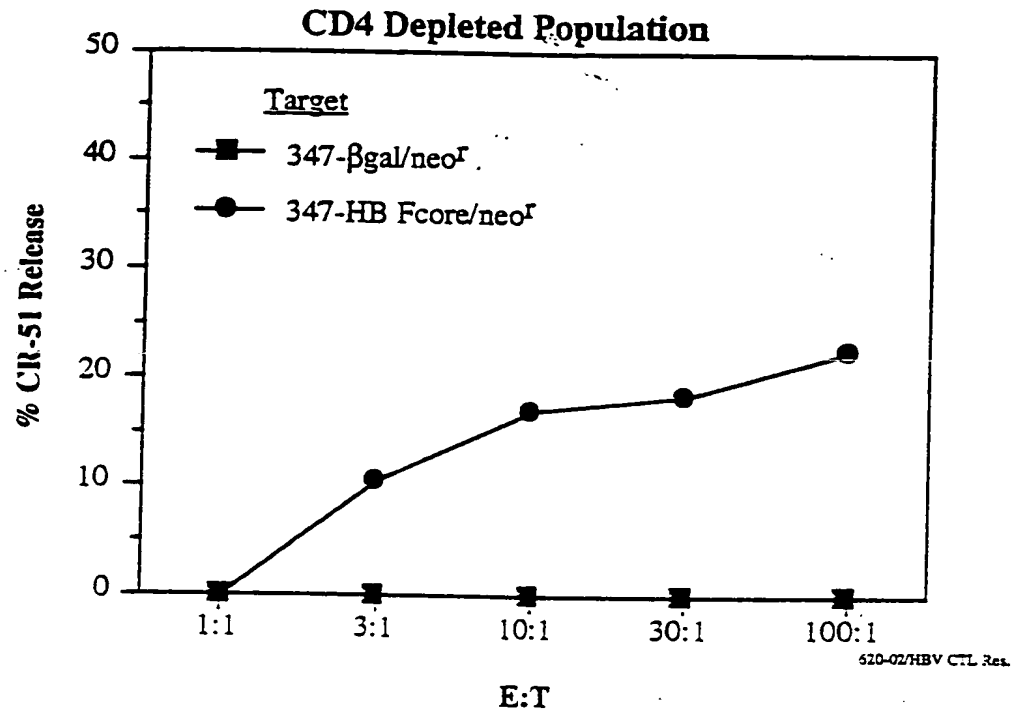


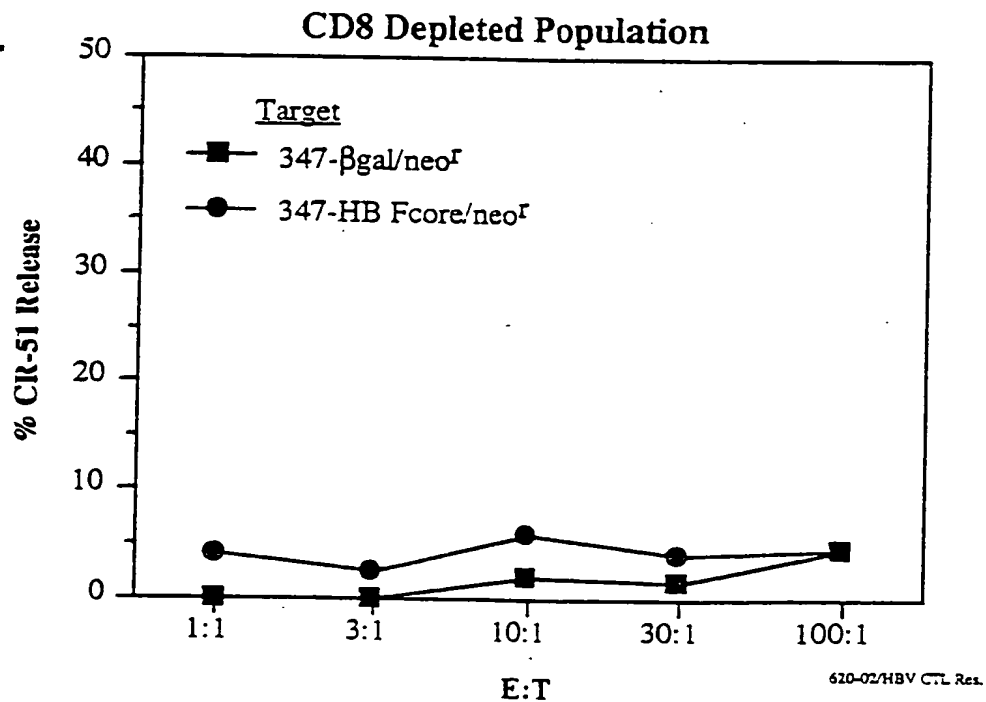
FIGURE 14

Macaque CTL Response is CD8<sup>+</sup> and CD4<sup>-</sup>

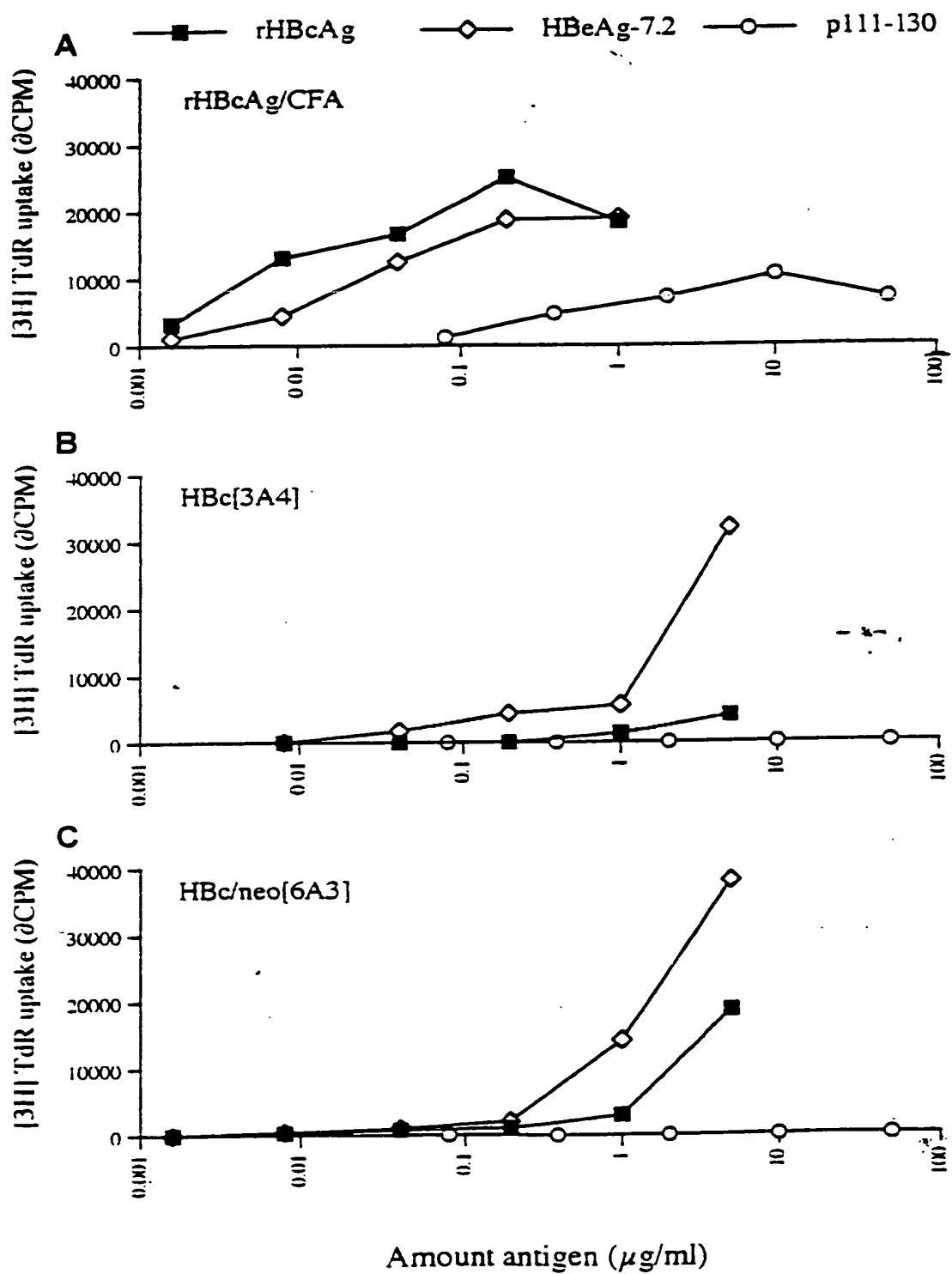
A.



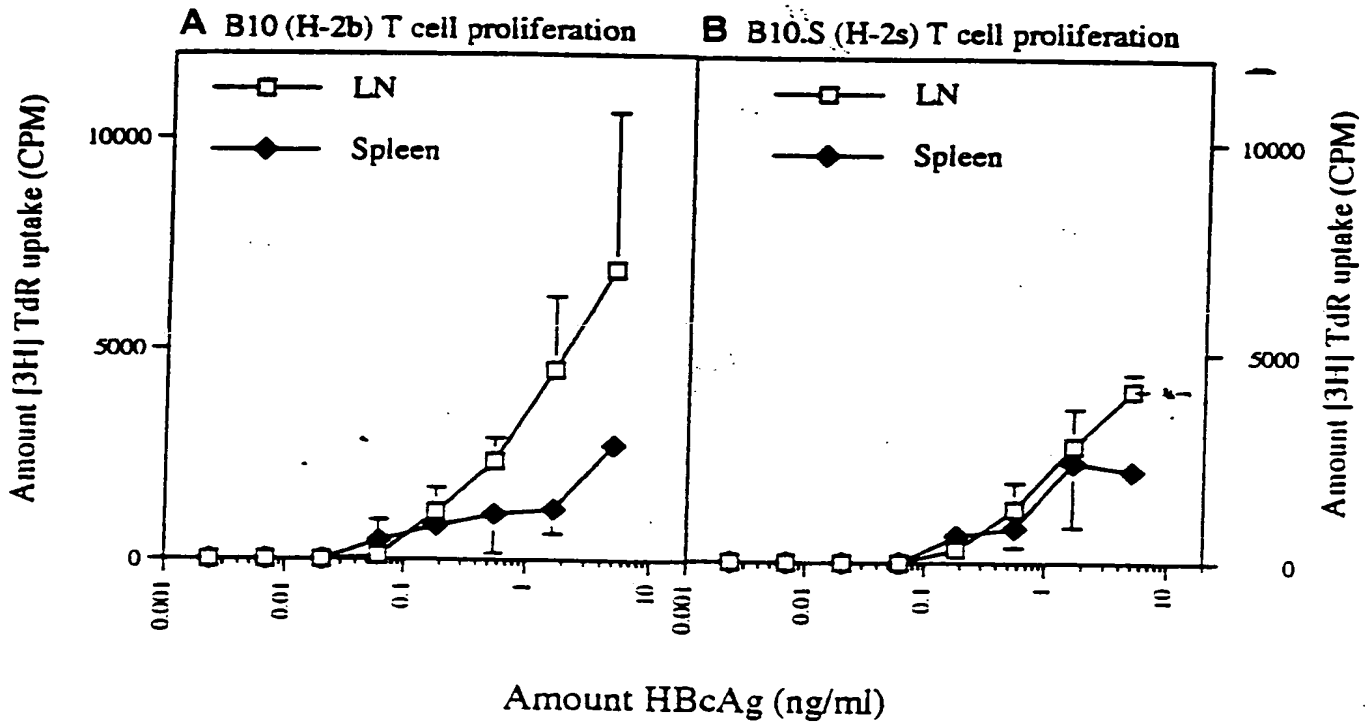
B.



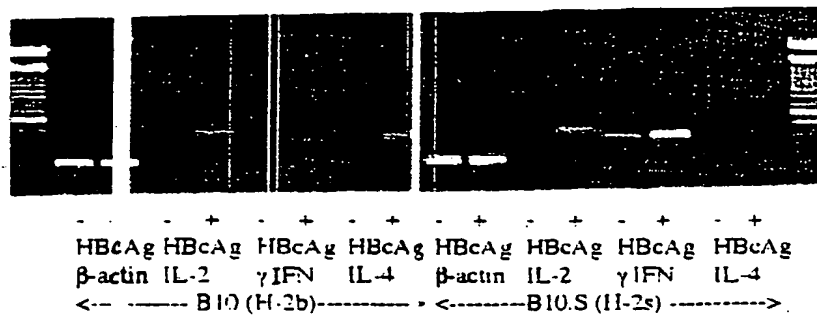
# FIGURE 15



# FIGURE 16



**C Splenic cytokine mRNA**





# FIGURE 17

